

A/B, 5, 342/4

TO: Chief, Technical Branch O/S.O.

FROM: CSI/Medicine

SUBJECT: Report on Special Trip authorized by Memo of 13 Oct. 1954.

As directed, at least 10 professional contacts were made during the time of 18-29 October 1954. Every contact made, by great good fortune, through agency preparation and whole-hearted cooperation of all concerned, had most gratifying results. One of the desired substances collected has a commercial value of over 600 dollars, the other a production value of over 1000 dollars. Others are rare items, commercially not obtainable, all secured without expense to this agency. In addition, valuable data and files were collected, as well as specimens from outstanding collections for further study and guidance. The personal contacts with field agents, executives, and scientists, old friends and acquaintances, some covertly, laid a promising foundation for further joint action.

Contact with [redacted] and through him with the officers and staff members of [redacted]

A. - Dollitron

[redacted] has recently proven the value of Dollitron, giving 100% results in over 20 cases. He gives Dollitron a definite place in the new era of anesthesiology, designating it as analgesic rather than as an anesthetic, on a border-line agent, since it keeps the patient at least partially conscious. It makes the entire system insensible to pain, in contrast to a local anesthetic, leaving the patient able to obey instructions from the doctor and retaining the ability to use the muscles. While it causes forgetfulness the blood circulation rate is not greatly slowed, oral surgery is possible with less bleeding and depression as well as deep anesthesia are only obtained after very large doses. Dollitron has been used successfully alone or in combination with other drugs, such as curare, succinyl chloride, cocaine, nitrous oxide and ether (see detailed data on table attached) in dental, eye, ear, nose and throat surgery, and in bronchoscopy, causing in contrast to pentothal no spasms. It has given extended and prolonged relief from pain in advanced cancer and in hemorrhoid removal. Its use in childbirth is in progress. For detailed clinical results see Table I attached.

Methods of Administration

1. Oral Use: Extended experiments are planned after completion in the laboratories of studies to improve the physical properties of Dollitron such as suspension or solution, removal of odor and adjustment to the desirable pH.

2. Intramuscular Injection: The acute stinging pain, lasting about 2 minutes, may be overcome by the simultaneous or preceding injection of a local anesthetic such as procaine. The raising of the arm above the horizontal level, in case injections are made in the arm, are also recommended to forestall pain and temporary swelling.

3. Intravenous Injection: The use of the greatly improved lyophilized doltitron preparation, white, odorless powder, staying in 2% aqueous solution for about 3-4 hours, at a pH of 4.5, given intermittently by vein, as necessary, is recommended. Fortunately this lyophilized preparation is also now available for the experiments planned by the agency, through the cooperation of [redacted] and Mr. [redacted].

Pharmacological and Toxicological Studies

The value of doltitron as an intravenous anesthetic is also indicated in animal experiments. According to staff members of the [redacted], the acute LD₅₀ for the sodium salt of doltitron is approximately 3 times that of thiopental. While minimal hypnosis doses for these 2 anesthetics are similar, the duration of hypnosis is more than doubled, being 53 minutes for doltitron and only 20 minutes for thiopental in single 60% to 50% doses. No cumulation was observed with repeated intravenous dosing at regular frequent intervals in rabbits; using doltitron; and in dogs this cumulation was minimal. In contrast, using thiopental with an identical procedure, the duration of hypnosis in rabbits and dogs becomes longer with each succeeding dose. Signs of toxicity, as measured by hematology, body weight and gross and microscopic pathology, did not occur in dogs which were maintained in deep surgical anesthesia for two 90-minute periods. There was no appreciable change in blood pressure in dogs receiving repeated rapid intravenous injections of doltitron, until doses were given which were large enough to cause respiratory paralysis.

Chemistry

Doltitron is the registered name for the chemical compound:

2-(5-ethyl-phenyl)-4-thiazine-2-n-dione

B. Seaming Leath Agent: Xenon

For purposes of very fast effects of anesthetization, without too great a risk of fatality resulting from its use, [redacted] suggests the consideration of

the inert gas xenon. Upon his advice we are contacting [redacted] for further information. Of interest in this connection is that according to the Russian R. I. Madorskaya, publishing his results in the Soviet Physiological Journal, xenon, even at normal atmospheric pressure, has a narcotic effect 7 times stronger than that of krypton. Xenon is a heavy, colorless gaseous element, and represents one of the inert gases, occurring both in the atmosphere - part in 170 millions by volume - and in gases from hot springs. Originally obtained by fractionated distillation of crude argon from the air, it can be condensed to a liquid, boiling at 109-109.2 C., and to a solid, melting at 111.5 (or at 116 C., according to W. H. Loomis).

C. Stress and Strain Research: Meratran

[redacted] have also developed a new compound, alpha-(2-piperidyl)benzhydrol hydrochloride, for use in narcolepsy, in emotional fatigue and depression, amphetamine-like in action, but according to claims, not as toxic nor habit-forming, causing little or no insomnia, and no rebound let-down. Through the cooperation of [redacted] this substance is available to the agency in ample amount (without cost to us, for testing). The company expects to extend its work of stress research into aging and diseases of old age in its new "laboratory of basic medical science".

D. Personnel of [redacted]

The executives and staff members contacted were [redacted]

[redacted] in whom unit dollitrons was developed. Acceptable to SO as [redacted] of these gentlemen, I believe, would be glad to cooperate with this agency.

E. Psychotherapist

[redacted] is a very capable contact for psychotherapeutic and psychiatric problems.

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in the conference with the section chief of solvent preparations, the following problems were discussed:

1. The final total synthesis of LS (Lysergic acid) and of Ergonovine. This had been accomplished and was subsequently published (see copy attached). The synthesis of LS resulting from years of group research, requires such a complex procedure that kilo and larger stockpile quantities cannot be expected for the present. An attempt is now contemplated to use biosynthetic methods for the possible simplification of the process in the laboratories. The synthesis of ergonovine, useful agent in facilitating child birth and treatment of migraine, was also made possible by the conversion of the di-lysergic acid to di-isolysergic acid hydroxide, which was then converted to ergonovine, which last step had previously been patented by [redacted] (see attached copy attached). Many lysergic acid derivatives have been prepared in the bio-chemistry department headed by [redacted] and are available to us for further study. One of these, the lysergic acid morpholine, is being studied by [redacted] who offered to inform us when results are available.

2. Corn Sulf (Vatilloge Noylis). The use of corn sulf, recognized in Mexico as a medicine, and used to overcome apprehension and fear in paratroopers behind the Iron Curtain, and in China, was discussed with the suggestion that further data concerning its chemistry might be made available to this agency. The presence of ergot-like alkaloids has been reported in Chilean literature, and more recently studies in this field are carried on in the [redacted] from whom further info is expected through cooperation with [redacted].

3. Clitocybe illudens. The presence of ergot-like alkaloids in this Florida mushroom and reported in recent literature was also discussed. This report had not been published at the time of the conference, but [redacted] and the [redacted] have expressed interest in securing specimens for further study and requested our help in this cooperative research. 5. Fast acting sedative with anesthetic properties. No such substance, faster acting than secobarbital with anesthetic and hypnotic properties, was suggested. However, the development of selection of such special substances was discussed, involving possibly barbiturates, which might be volatile and readily volatilized. They might then be dispersed or inhaled through their vapor and effective through their vapor. There was a definite response to the possible use of drugged cigarettes, suggested by [redacted] and adopted in the use of asthma cigarettes, containing the leaf of *Datura stramonium*, and in the administration of "stetrol" (tetrahydrocannabinol). This latter use had been reported by [redacted].

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as a Secret document. In the petrol cigarettes the preparation or its alcohol solution was injected into the core at one or both ends of the cigarette was sufficient, the effect was noted within 15-20 minutes.

4. Non-habit forming Sedative. The preparation and distribution of a new and sedative and hypnotic, comparatively non toxic in acute and chronic use, and apparently non habit forming, is now under way. It is either identical with or similar to the German "dolental" (ethinyl-cyclohexyl-allophanate), developed in West Germany by Chemische Werke, Rheinfelden (of Gruenthal). The description of new sedatives, unsaturated alcohols: methylpentinol, methylbutinol, methylpentanol, ethinylcyclohexanol and their esters is reported in "Arzneimittel Forschung", Vol. 4, 477-479, 1954.

5. Co-operative research. Since the management has been ever willing to co-operate with the Government, never accepting compensation and in fact offering to contribute a large sum to Government research, no difficulty was envisioned by the staff members consulted in initiating special research projects along the lines suggested. It was suggested to make the contact through the personnel of the company secured for secret or top secret projects of this agency, and possibly its other staff members cleared for top secret.

In addition there are members of the staff employed, one of them background of these members is attached hereto.

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...was connected in a way similar with the ...
...other known ...
...the ...
...of ...
...were helpful ...
...and continued ...
...prolonged treatment cases up to eight years old had been cured. ...
...his ...
...to be undertaken. While formerly engaged in much ...
...work, which caused him to suspect the lack of oxygen ...
...the ...
...of the effect of many chemicals on the mind, he ...
...now were using in the solution of theoretical problems. The treatment ...
...private patients precludes extensive ...
...a copy ...
...which is attached. ...
...connected ...
...an outstanding man in his field, who might ...
...in his opinion.

The following problems were discussed:

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 03-11-2010 BY 60322 UCBAW

1. As a denting tooth agent, having acute action, especially
2. Emphasized the usefulness of isonon, suggested by
3. A basis of its physical properties as a gas and the difficulty of handling it
4. On the purpose in mind. Suggested among the possibilities of
5. Tested materials the use of methyl chloroform, a liquid becoming solid at
6. 22 and boiling at 74.2° at atmospheric pressures. However, he admitted neither
7. nor others (including trichloroethanol, tribromoethanol, trichloroethylene,
8. had actually been tested for the purpose as far as he knew and a selection
9. of a few important projects.

THE UNIVERSITY OF CHICAGO LIBRARY

[illegible][illegible]

Dr. Hutter, a biologist, studies the following his complete collection and
 animal colony of over 100 various monkeys. These are kept in
 on certain dollars at 25-30 dollars a piece, after they are climate-conditions
 S. Carolina and freed from intestinal disease. He is not breeding them,
 it would be greatly interested in including gibbons and chimpanzees among
 his animal colony.

5. Monkey Behavior Study: Having observed the behavior patterns through daily observation, believed that in addition to the emotional symptoms of anger, jealousy, fear, anxiety and worry, the evidences of hallucination may be detected in monkeys, after administration of hallucinants. He work with more intelligent and gentle Apes, in contrast to the vicious rhesus monkeys, such as the gibbons from Thailand, would therefore be a very attractive prospect, promising a valuable addition to our knowledge of testing.

available. Specimens could then be collected from various plants, including
Ceanothus and Manzanita, and the information then sent where collected and by whom.

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...and the group of interested parties are responsible for making
...the necessary arrangements for the implementation of the project.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

The above information was obtained from a review of the files of the Department of Defense, Office of the Inspector General, and the Department of Defense, Office of the Secretary of Defense.

...reported to be toxic to the presence of alcohol. He also prepared the plant material of *Hiptisoma peruviana*, thus enabling him to compare the ease of preparing the synthetic product with that prepared by extraction of the plant material. In the foregoing, it is approved, with the exception of the following:

offered their cooperation in testing the gibbons in exploratory tests to establish its usefulness in evaluating cerebral agents and in eventually establishing a sustainable colony of standardized gibbons through controlled breeding.

may be collected, the outstanding amount is \$100.00.

The amount of \$100.00 is the amount of the collection.

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1. The following information was obtained from the records of the Federal Bureau of Investigation, Bureau of Prisons, and the United States Department of Justice, Office of the Inspector General, regarding the activities of the following individuals:

...with certain South American sources of raw materials and should be secured, in possible form future assistance.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

Representative specimens were collected of various plants, including
Onion, Potato and Tomato and the information noted, when and where collected,
the extent of the plant's subsequent growth.

4.3.2, 5.4, 11

1. Introduction

The purpose of this study is to investigate the effects of the proposed system on the performance of the system. The study is divided into two main parts: a theoretical analysis and an experimental evaluation. The theoretical analysis is based on the principles of the system and the results of previous studies. The experimental evaluation is based on the results of a series of experiments conducted under controlled conditions.

The results of the theoretical analysis show that the proposed system is capable of achieving the desired performance. The experimental results confirm this and show that the system is capable of achieving the desired performance in a wide range of conditions. The results of the experimental evaluation are presented in the following sections.

The results of the experimental evaluation show that the proposed system is capable of achieving the desired performance in a wide range of conditions. The results of the experimental evaluation are presented in the following sections. The results of the experimental evaluation show that the proposed system is capable of achieving the desired performance in a wide range of conditions. The results of the experimental evaluation are presented in the following sections.

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Conclusion

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

ACKNOWLEDGMENTS

I am sending you this informal memorandum since my time is so limited before I leave for London. I thought I would dump off a few notes with you for your consideration and the record.

2. Please to send you, as soon as possible, a copy of the material to get together all the material. This is a very important matter. Please to send you, as soon as possible, a copy of the material to get together all the material. This is a very important matter. Please to send you, as soon as possible, a copy of the material to get together all the material. This is a very important matter.

3. This is again to remind you that at the near future you may be called upon to procure seasonably substantial amounts of Morphine, 107-15 and tetra-hydro-cannabiol. I do not know what amounts will be required but that information will probably come through ^{the} ~~the~~ ^{you} and also ^{will} handle any necessary money involved in the transactions. Of course, he aware of this and aware of your ability as a procurer of rare items. I do not have to remind you that this type of transaction should be very deeply concealed since our interest in this must not be known.

4. Have you had the opportunity to secure any information on that long isolated California tract that apparently was used as a chemical dump? I recall that that chemical dump was located in the area of the old Los Angeles airport. I recall that that chemical dump was located in the area of the old Los Angeles airport. I recall that that chemical dump was located in the area of the old Los Angeles airport.

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Office Memorandum

UNITED STATES GOVERNMENT

A/R, 5, 344/C

DATE: 11 May 1955

TO: Chief, Security Research Staff

FROM: Chief, Technical Branch, SIS

SUBJECT: Travel Approval

A

1. [Name] has proposed a trip to [Location] beginning 10 August 1955 and terminating 12 August 1955.

2. The purpose of this trip is to attend to the following matters in the order listed:

a. 17 Aug. attend [Event] at [Location] continuing through 20 Aug.

b. 20 Aug. [Event] under cover [Event] at [Location]

c. While at [Location] [Event] at [Location]

d. While at [Location] [Event] at [Location]

e. 12 Aug. on 12 Aug. [Event] at [Location]

3. If approval is granted, please sign the attached data sheet and forward to the Chief, Administration & Training in order that travel orders may be prepared.

4. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

5. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

6. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

7. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

8. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

9. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]

10. [Name] is a [Rank] [Grade] [Branch] [Division] [Office] [Location]